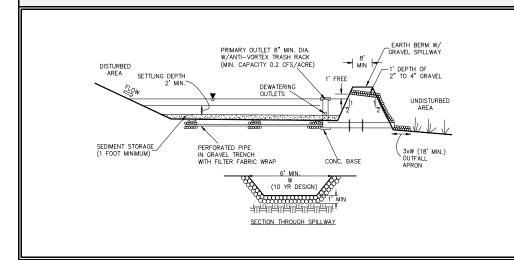
# **BMP: Sediment Basin**



## **DESCRIPTION:**

A pond created by excavation or construction of an embankment, and designed to retain or detain runoff sufficiently to allow excessive sediment to settle.

### **APPLICATION:**

- ▶ At the outlet of all disturbed watersheds 10 acres or larger.
- At the outlet of smaller disturbed watersheds, as necessary.
- Where post construction detention basins will be located.

#### INSTALLATION/APPLICATION CRITERIA:

- Design basin for site specific location, maintain effective flow length 2 times width.
- Excavate basin or construct compacted berm containment, ensure no downgradient hazard if failure should occur.
- Construct dewatering and outfall structure and emergency spillway with apron.

# LIMITATIONS:

- Should be sized based on anticipated runoff, sediment loading and drainage area size.
- May require silt fence at outlet for entrapment of very fine silts and clays.
- May require safety fencing to prevent public access.
- Height restrictions for embankment regulated by Utah Division of Dam Safety.

#### MAINTENANCE:

- Inspect after each rainfall event and at a minimum of monthly.
- Repair any damage to berm, spillway or sidewalls.
- Remove accumulated sediment as it reaches 2/3 height of available storage.
- Check outlet for sedimentation/erosion of downgradient area and remediate as necessary. Install silt fence if sedimentation apparent.

#### **OBJECTIVES**

- □ Housekeeping Practices
- □ Contain Waste
- ☐ Minimize Disturbed Areas
- □ Stabilize Disturbed Areas
- □ Protect Slopes/Channels□ Control Site Perimeter
- ☑ Control Internal Erosion



ADAPTED FROM SALT LAKE COUNTY BMP FACTSHEET

### TARGETED POLLUTANTS

- Sediment
- □ Nutrients
- Toxic Materials
- □ Oil & Grease
- ☑ Floatable Materials
- □ Other Waste
- High Impact
- □ Low or Unknown Impact

#### **IMPLEMENTATION REQUIREMENTS**

- Capital Costs
- Maintenance
- Training
- High 🖾 Me
- □ Low